

~~SECRET~~

~~CONFIDENTIAL~~

The Files

12 September 1955

DOC	15	REV DATE	8 MAY 1960	BY	018373
ORIG COMP	033	OPI	56	TYPE	02
ORIG CLASS	5	PAGES	3	REV CLASS	C
JUST	22	NEXT REV	2000	AUTH:	HR 10-2

Trip Report, Contract

T.O. VI, with

1. A trip was made on 9 September 1955 by [redacted] and [redacted] to [redacted] in conjunction with [redacted] Task Order VI.

2. The visit revealed the following:

a. Satisfactory work is being accomplished as regards equipment measurements; trailer units are being readied to permit field equipments being installed, etc.

b. [redacted] has advised [redacted] that since the date of [redacted] placement of orders for moving-film CRT cameras the United States Air Force has placed priority procurement orders which will prevent [redacted] making camera deliveries without Department of Defense priority allocations.

Contracting officer is being requested to provide necessary priority authority to [redacted] for the procurement of two each CRT moving film cameras.

c. [redacted] advised that contracting officer has not as yet provided the necessary shipping data to permit the return of the Collins 51-J() receiver which was damaged in shipment to contractor.

d. The Chief Engineer's offer to authorize three each FMO oscillator units being assigned to this project cannot be accepted by reason that the FMO output is insufficient to drive the Johnson Kv amplifier under ccs practise.

~~SECRET~~

~~CONFIDENTIAL~~

~~SECRET~~

Page 2

12 September 1955

3. Data for record purposes:

- a. [] TO-VI, is the investigation of certain equipment arrangements and the measurements pertaining thereto. The end result will be certain knowledge upon which an operational system may be based--or alternately the limitation beyond which the system cannot be established for operational assignments. 50X1
- b. In this connection, [] is aware of the inherent bandwidth requirements of the test units currently conceived. Little factual consideration has been taken towards the reduction of these acute problems. It has been, therefore, necessary for the Agency representatives to confine [] for Task Order VI, to the arrangement of the equipments to permit the establishment of valid measurements with which the Agency can then program into the necessary parameters for an operational acceptable system. 50X1

4. Future Action:

- a. For the purpose of conduction of the test, [] has been advised: 50X1
- (1) (In consideration of prior frequency data coordinated with AAB) to establish NCS terminal to operate at center-frequency 4000-4063; field site one to operate at center frequency (minus 10 kc) band 3155-3240 kc; field site two to operate at center frequency (plus 10 kc) band 3155-3240 kc. 50X1
- b. GAB is to be requested to provide necessary backstop with FCC in this regard.

5. Modus operandi:

- a. For test measurement purposes NCS will transmit:
- (1) A sine wave ready signal.
- (2) A pulse-train execute signal--this signal will be not more than 10 pulses in duration, pulses will be square wave in nature and will have a pulse duration of 154 microseconds.

~~SECRET~~~~CONFIDENTIAL~~

~~CONFIDENTIAL~~
~~SECRET~~

Page 3

12 September 1955

- (3) RCS will not transmit these pulse trains (for test/measurement purposes) at intervals of less than 3 minutes apart.
- (4) Field stations will transpond with single pulse units.
- (5) Antenna radiation will be high angle, half wave doublet at about 30-35 foot above ground or 1/10th wave above reflector.
- (6) Initial operation will be (by reason of frequency and band-width considerations) restricted to daytime operation until initial measurements have been evaluated.



50X1

OC-E/DAD-EP/LBR:mmb (12 September 1955)

CC: R&D Subject File
Monthly Report File (2)
Dev-op

SP/AL

~~SECRET~~

~~CONFIDENTIAL~~